

APPENDIX J
EQUIPMENT MAJOR, MINOR MEASUREMENTS

APPENDIX J

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Accelerator	UTS	PSI
Accumulator	GAL	PSI
Actuator,Damper	IN	IN
Actuator,Damper	IN	PSI
Actuator,Damper	IN	VAC
Actuator,Electro-Hydraulic,Linear	IN	VAC
Actuator,Needle Valve	IN	IN
Agitator	RPM	NA
Alarm,Liquid	GPM	VAC
Ammeter	AMP	IN
Amplifier-Modulator	W	VAC
Analyzer,Dissolved Oxygen	PSI	F
Annunciator	MA	NA
Arm,Unloading	IN	PSI
Arrestor,Flame	IN	NA
Arrester, Syрге	VAC	NA
Attenuator,Hydraulic	IN	CIN
Attenuator,Shock,Hydrauliic	IN	PSI
Attenuator,Sound	CFM	DB
Battery,Storage	VDC	AHR
Belt,V,Matched Set	IN	IN
Bibb,Hose	IN	PSI
Blower,Air	VAC	HP
Boiler,Steam,Electric	BTU	PSI
Boiler,Water,Electric	BTU	PSI
Boiler,Water,Oil-Gas	BTU	PSI
Brake,Electric	BHP	VAC
Breaker,Circuit	VAC	AMP
Breaker,Circuit	VDC	AMP
Breaker,Circuit,Air	VAC	AMP
Breaker,Circuit,Oil	VAC	AMP
Breaker,Circuit,Vacuum	VAC	AMP
Breather,Desiccant	LB	GPM
Burner,Gas	IWG	CFM
Burner,Pilot,Gas	IWG	CFM
Cabinet,Control	VAC	NA
Cabinet,Control	VDC	NA
Cabinet,Control,Blast Door	VAC	NA
Cabinet,Control,Blast Door	VDC	NA
Cabinet,Fire Hose	IN	FT
Cabinet,Relay	VAC	NA
Cabinet,Relay	VDC	NA
Cabinet,Terminal Block	VAC	AMP

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Cabinet, Terminal Block	VDC	AMP
Camera, CCTV	GON	CFM
Cathodic, Protection Perm Reference Sta	VDC	NA
Cell, Conductivity	MHO	MA
Cell, Cooling Tower	GPM	CFM
Cell, Resistivity	OHM	IN
Center, Motor Control	VAC	AMP
Charger, Battery	VDC	AMP
Chiller, Water	TON	GPM
Chlorinator	MHO	PSI
Chute, Clothing	FT	IN
Closure, Environmental	FT	IN
Coil, Cooling	BTU	SFT
Coil, Heating	BTU	SFT
Coil, Heating, Electric	KW	VAC
Coil, Starting	VAC	NA
Coil, Tempering, Combustion Air	BTU	SFT
Collector, Dust	CFM	NA
Compressor, Recip, Power Driven, Air	PSI	CFM
Contact, Magnetic	VAC	AMP
Contact, Magnetic	VDC	AMP
Control, Light, Photoelectric	AMP	VAC
Controller, Flow	CFM	NA
Controller, Flow	IN	PSI
Controller, Flow	IWC	VAC
Controller, Fwp and Burner, Boiler	GPM	VAC
Controller, Gas Analyzer	PCT	MV
Controller, Humidity	PCT	PCT
Controller, Indicating	IWG	MA
Controller, Indicator	MV	MA
Controller, Level	GAL	NA
Controller, Motor	VAC	NA
Controller, Pressure	IWG	PSI
Controller, Pressure	IN	PSI
Controller, Speed	RPM	MA
Controller, Step, Pneumatic	W	PSI
Controller, Temperature	F	NA
Controller, Temperature	F	PSI
Controller, Temperature	IWG	PSI
Controller, Temperature	F	MA
Controller, Temperature	F	VAC
Controller, Temperature	F	VDC
Controller, Temperature	PSI	PSI
Converter, Liquid Nitrogen	GAL	PSI
Converter, Voltage to Current	MV	MA
Conveyor	FPS	LB
Cooler, After	BTU	SET
Coupling, Half, Quick Disconnect	IN	PSI

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Crane, Jib	LBS	NA
Crane, Overhead Traveling	LBS	VAC
Cylinder, Actuating, Linear	IN	PSI
Dampener, Fluid Pressure	CFM	PSI
Damper, Automatic Control	CFM	IN
Damper, Fire	CFM	IN
Damper, Modulating	CFM	IN
Damper, Two Position	CFM	IN
Damper, Volume	CFM	IN
Decreaser, Speed	RPM	NA
Dehumidifier	IN	IN
Dehydrator, Desiccant, Refrigerant	IN	PSI
Deionizer	GPM	NA
Demineralizer, Water	GPM	PSI
Detector, Chlorine	MHO	PSI
Detector, Smoke	VAC	AMP
Detector, Smoke	FT	NA
Detector, Water, Level	FT	NA
Device, Automatic, Release	IN	VAC
Dimmer, Lighting	KVA	VAC
Disconnect Switch	VAC	AMP
Disconnect Switch, Primary	VAC	AMP
Disconnect, Quick	PSI	LBS
Disk, Rupture	IN	PSI
Dispenser, Drinking, Water	GPM	IN
Door, Blast	FT	PSI
Door, Emergency Escape	FT	PSI
Door, Membrane	NA	NA
Door, Metal, Sliding	FT	IN
Door, Radiation	FT	IN
Door, RF Shielded	FT	IN
Door, Roller, Motor Operated	FT	VAC
Door, Shielded Sliding	FT	IN
Drier, Air	PSI	CFM
Drier, Air-Gas, Desiccant	SCF	PSI
Drier, Air-Gas, Refrigerating	SCF	PSI
Drier, Process Air	SCF	PSI
Drive, Pneumatic	IN	PSI
Eductor, Duct, Bus	KVA	VAC
Ejector, Jet	IN	NA
Ejector, Sewage	MV	PSI
Element, Analyzer	MV	NA
Element, Flow	CFM	MA
Element, Flow	GPM	NA
Element, Flow	GPM	PSI
Element, Humidity	PCT	MA
Element, Humidity	PCT	OHM

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Element, Temperature	F	MV
Element, Freight	LBS	FPM
Elevator, Passenger	LBS	FPM
Engine, Diesel	HP	RPM
Engine, Diesel, Generator Set	VAC	HP
Exchanger, Heat	BTU	CFM
Extinguisher, Fire	LB	NA
Fan, Centrifugal	CFM	IWG
Fan, Exhaust	CFM	IWG
Fan, Tubeaxial	CFM	IWG
Fan, Vaneaxial	CFM	IWG
Feeder, Chemical	GAL	IN
Feeder, Rotary	GAL	IN
Feeder, Sulfuric Acid	GAL	LBS
Filter	CFM	IWG
Filter	LBS	NA
Filter	PSI	F
Filter, Airline	PSI	IN
Filter, Cartridge	CFT	NA
Filter, Cartridge	GR	NA
Filter, Cartridge	MIC	NA
Filter, Water Purif	GPM	PSI
Filter, Oiler, Airline	PSI	IN
Filter Assembly	CFM	IWG
Filter-Separator, Liquid Fuel	IN	GPM
Filter, Air Conditioning	CFM	IWG
Filter, Air Intake	CFM	NA
Filter, Air, Charcoal	CFM	IWG
Filter, CBR	CFM	NA
Filter, Electromagnetic Wave	IN	IN
Filter, Fluid Pressure	IN	MIC
Filter, Radio Freq Interference	VAC	AMP
Filter, Radio Freq Interference	VDC	AMP
Filter, Particulate	CFM	MIC
Filter, Waveguide	IN	IN
Fixture, Lighting, Fluorescent	W	VAC
Fixture, Lighting, Incandescent	W	VAC
Fixture, Lighting, Incandescent	W	VDC
Flasher, Aircraft Navigational Light	AMP	VAC
Fountain, Eye Wash	GPM	PSI
Gage, Temperature	F	PSI
Gear Assembly, Speed Decreaser	RPM	NA
Generator, Engine Driven	KVA	VAC
Generator, Gas Turbine	KVA	VAC
Hatch, Access, Personnel	FT	PSI
Hatch, Emergency Escape	FT	PSI
Head, Sprinkler	IN	PSI
Heat, Convectector	BTU	MA

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Heater, Electric	W	VAC
Heater, Electric Cable	W	NA
Heater, Immersion, Electric	W	VAC
Heater, Space, Electric	KW	VAC
Heater, Water, Electric	GAL	KW
Heater, Water, Gas	GAL	BTU
Heating Element, Electrical	KW	VAC
Hoist, Chain	LBS	FT
Hoist, Wire Rope	LBS	VAC
Horn, Electrical	VAC	AMP
Hose, Connection	IN	PSI
Hose, Linen, Unlined	IN	FT
Hose, Quick Disconnect	IN	PSI
Hose, Metallic	IN	PSI
Hose, Non-metallic	IN	PSI
Hose, Rubber	IN	PSI
Humidifier	KW	PPH
Humidifier	LB	PSI
Humidifier, Steam Grid	LB	PSI
Humidifier, Target	GPH	PSI
Hydrant, Fire	IN	PSI
Hydrant, Fire	GPM	PSI
Indicator, Humidity	PCT	NA
Indicator, Liquid Level	IN	NA
Indicator, Liquid Quantity	GAL	NA
Indicator, Pressure	IN	PSI
Indicator, Pressure	IWG	IN
Indicator, Pressure	IWG	NA
Indicator, Pressure Differential	IWG	PSI
Indicator, Rate of Flow	CFH	NA
Indicator, Rate of Flow	GPM	MA
Indicator, Rate of Flow	IN	GPM
Indicator, Rate of Flow	IWG	PSI
Indicator, Sight, Liquid	IN	IN
Indicator, Sight, Liquid	PSI	NA
Indicator, Sight, Liquid	GPM	PSI
Indicator, Speed	RPM	NA
Indicator, Temperature	F	IN
Indicator, Temperature	F	MA
Indicator, Time Integrating	HRS	NA
Inverter, Static	VDC	AMP
Isolator, Shock	PSI	NA
Joint Expansion	IN	PSI
Lavatory	GPM	IN
Light, Beacon	W	VAC
Light, Beacon	W	VDC
Light, Indicator	VAC	NA
Light, Marker, Aircraft Operation	W	VAC

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Lubricator	IN	PSI
Meter, Flow	GPM	PSI
Meter, Hour	HRS	MIN
Motor	HP	RPM
Motor, Air	RPM	PSI
Motor, Alternating Current	HP	VAC
Muffler, Exhaust	PSI	LBS
Nozzle, Spray	GPM	IN
Orifice, Plate	GPM	IWG
Orifice, Flow	IN	PSI
Panel, Annunciator	VAC	LTS
Panel, Annunciator	VDC	LTS
Panel, Equipment, Hinged	FT	FT
Panel, Filter	IN	IN
Panel, Indicator	IN	IN
Panel, Power Distribution	VAC	AMP
Panel, Power Distribution	VDC	AMP
Panel, Pressure Control	IWG	PSI
Panel, Temperature Control	F	PSI
Platform, Shock Isolation	IN	IN
Pump, Centrifugal	GPM	FT
Pump, Inflating, Manual	LBS	IN
Pump, Positive Displacement	GPM	FT
Pump, Sewage	GPM	FT
Pump, Sump	GPM	FT
Pump, Turbine, Peripheral	GPM	FT
Pump, Turbine, Vertical	GPM	FT
Pump, Vertical Centrifugal, Sand	GPM	FT
Reactor	OHM	VAC
Recorder, Flow	CFM	MA
Recorder, Gas Analyzer	MA	NA
Recorder, Humidity-Temperature	F	NA
Recorder, Humidity-Temperature	PCT	OHM
Recorder, Level	IN	MA
Recorder, Temperature	F	MA
Rectifier	VDC	AMP
Regulator, Voltage	KVA	VAC
Relay, Armature	VDC	AMP
Relay, Auxillary	VAC	NA
Relay, Averaging	PTS	PSI
Relay, Pneumatic	PSI	NA
Relay, Time Delay	VAC	NA
Relay, Timing	MIN	NA
Relay, Transfer	VAC	NA
Relay, Transfer	VDC	NA
Relay, Undervoltage	VAC	NA
Resistor	OHM	KW
Resistor	OHM	W

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Scale, Portable, Weighing Device	LB	NA
Scrubber, Air	CFM	NA
Seal, Diaphragm	IN	PSI
Separator, Dust	CFM	IWG
Separator, Oil	GAL	PSI
Separator, Oil	IN	PSI
Shells, Sprint	NA	NA
Sink, Service	NA	NA
Softener, Water	GPM	IN
Strainer, Sediment	IN	GPM
Strainer, Sediment	IN	PSI
Substation	KVA	VAC
Supply, Power	KVA	VAC
Switch, Automatic Transfer	VAC	AMP
Switch, Automatic Transfer	VDC	AMP
Switch, Centrifugal	RPM	AMP
Switch, Dewpoint Indicating	PCT	MA
Switch, Disconnect	KVA	VAC
Switch, Electronic	MA	NA
Switch, Float	VDC	AMP
Switch, Flow	CFM	NA
Switch, Flow	GPM	MA
Switch, Flow	GPM	PSI
Switch, Flow	FPM	NA
Switch, Flow	IN	PSI
Switch, Humidity	PCT	AMP
Switch, Humidity	VAC	AMP
Switch, Limit	VAC	AMP
Switch, Limit	VDC	AMP
Switch, Liquid Level	FT	MA
Switch, Liquid Level	GAL	NA
Switch, Liquid Level	VAC	AMP
Switch, Liquid Level	VDC	AMP
Switch, Manual	VAC	AMP
Switch, Manual	VDC	AMP
Switch, Pilot	IWG	VAC
Switch, Pressure	IWG	VAC
Switch, Pressure	PSI	NA
Switch, Pressure	VDC	AMP
Switch, Pressure Indicating	VDC	AMP
Switch, Push	W	AMP
Switch, Push	VDC	AMP
Switch, Safety	VAC	AMP
Switch, Sensitive	VAC	MA
Switch, Sensitive	OZ	AMP
Switch, Temperature Selecting	F	AMP
Switch, Temperature Selecting	MA	F

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Switch,Thermostatic	F	AMP
Switch,Thermostatic	F	MA
Switch,Thermostatic	F	MV
Switch,Thermostatic	VAC	VDC
Switchboard, Power	VAC	AMP
Switchboard,Power	VDC	AMP
Switcher,Circuit	KV	AMP
Switchgear,Electric	VAC	AMP
Tank,Gaseous Storage,Metal	CFT	PSI
Tank,Liquid Storage,Metal	GAL	PSI
Tank,Liquid Storage	FT	FT
Thermometer, Indicating, Capillary, Bulb	F	IN
Timer	VAC	AMP
Totalizer,Flow	CFM	NA
Totalizer,Flow	GAL	MA
Totalizer,Flow	GPM	MA
Tower,Cooling	GPM	FT
Transducer,Electro-Pneumatic	MA	PSI
Transducer,Electro-Pneumatic	PSI	MA
Transducer,Humidity	PCT	PSI
Transducer,Humidity	PCT	MA
Transducer,Pressure	PSI	MA
Transducer,Temperature	F	MA
Transformer,Control	VAC	VAC
Transformer,Current	AMP	AMP
Transformer,Potential	VAC	VAC
Transformer,Power,Current Regulating	KVA	AMP
Transformer,Power Distribution,Dry	KVA	VAC
Transformer,Power Distribution,Dry	KW	AMP
Transformer,Power Distribution, Liquid	KVA	VAC
Transformer,Variable Power	KVA	VAC
Transmitter,Analyzer	MV	MA
Transmitter,Conductivity	MHO	MA
Transmitter,Flow	CFM	NA
Transmitter,Flow	GAL	NA
Transmitter,Flow	GPM	PSI
Transmitter,Flow	IWC	MA
Transmitter,Indicator Analyzer	VDC	AMP
Transmitter,Gas Analyzer	MV	MA
Transmitter,Gas Analyzer	PCT	MA
Transmitter,Humidity	PCT	PSI
Transmitter,Liquid Level	FT	MA
Transmitter,Liquid Level	FT	PSI
Transmitter,Liquid Level	IN	AMP
Transmitter,Liquid Quantity	VAC	NA
Transmitter,Pressure	IWG	MA

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Transmitter, Pressure	IWG	PSI
Transmitter, Pressure	IWG	VDC
Transmitter, Pressure	PSI	MA
Transmitter, Pressure	PSI	PSI
Transmitter, Rate of Flow	GPM	MA
Transmitter, Rate of Flow	GPM	PSI
Transmitter, Rate of Flow	IWG	PSI
Transmitter, Resistance	MHO	MA
Transmitter, Resistance	OHM	MA
Transmitter, RPM	MA	RPM
Transmitter, Speed	RPM	NA
Transmitter, Temperature	F	MA
Transmitter, Temperature	F	PSI
Transmitter, Time	HRS	NA
Trap, Air	IN	PSI
Trap, Moisture	IN	PSI
Trap, Steam	IN	PSI
Unit, Air Conditioning	BTU	CFM
Unit, Air Handling	CFM	NA
Unit, Condensate Return	GAL	PSI
Unit, Emergency Lighting	W	VAC
Unit, Heater & Ventilation	BTU	CFM
Unit, Heater, Air Circulating, St-Hot Wtr	BTU	CFM
Unit, Heater, Air Circulating, St-Hot Wtr	CFM	IWG
Unit, No-Break	KW	MA
Unit, Water Purification, Org, Removal	GPM	PSI
Unit, Water Purification, Oxy, Removal	GPM	PSI
Urinal, Stationary	NA	NA
Valve, Angle	IN	PSI
Valve, Automatic Bleed	IN	PSI
Valve, Back Pressure	IN	PSI
Valve, Backflow Preventor	IN	PSI
Valve, Ball	IN	PSI
Valve, Butterfly	IN	PSI
Valve, Check	IN	PSI
Valve, Combination, Gas	IN	VAC
Valve, Deluge	GPM	IN
Valve, Diaphragm	IN	PSI
Valve, Dual Outlet, Directional Control	IN	PSI
Valve, Exp Tk, Comb Drain and Vent	IN	PSI
Valve, Float	IN	PSI
Valve, Float Control	IN	PSI
Valve, Gate	IN	PSI
Valve, Globe	IN	PSI
Valve, Level Controller	IN	PSI
Valve, Linear, Directional Control	IN	PSI

Table J-1. EQUIPMENT MAJOR, MINOR MEASUREMENTS (Cont'd)

<u>Drawing Nomenclature</u>	<u>Major</u>	<u>Minor</u>
Valve,Moisture Control	IN	PSI
Valve,Needle	IN	PSI
Valve,Plug	IN	PSI
Valve,Pilot,Gas	IN	PSI
Valve,Pre-Action	IN	PSI
Valve,Pressure Control	IN	PSI
Valve,Regulating,Fluid Pressure	IN	PSI
Valve,Relief,Pressure	IN	NA
Valve,Safety Relief	IN	PSI
Valve,Solenoid	IN	PSI
Valve,Temperature Control	IN	PSI
Valve,Temperature Indicating	IN	PSI
Valve,Temperature Regulating	IN	PSI
Valve,Temperature Regulating	IN	IWG
Valve,Temperature Regulating	IN	PSI
Valve,Trap Primer	IN	PSI
Valve,Vacuum Breaking	IN	PSI
Valve,Vacuum Regulating	IN	PSI
Valve,Vent,Breather	IN	NA
Vaporizer	CFH	PSI
Vent,Air,Automatic	IN	PSI
Ventilator,Roof,Gravity	IN	IN
Ventilator,Roof,Power	CFM	VAC
Voltmeter	VAC	AMP
Voltmeter	VDC	AMP
Wheel,Fan	IN	NA
Wheel,Fan	IN	NA
Winch,Drum,Power Operated	LBS	FPM